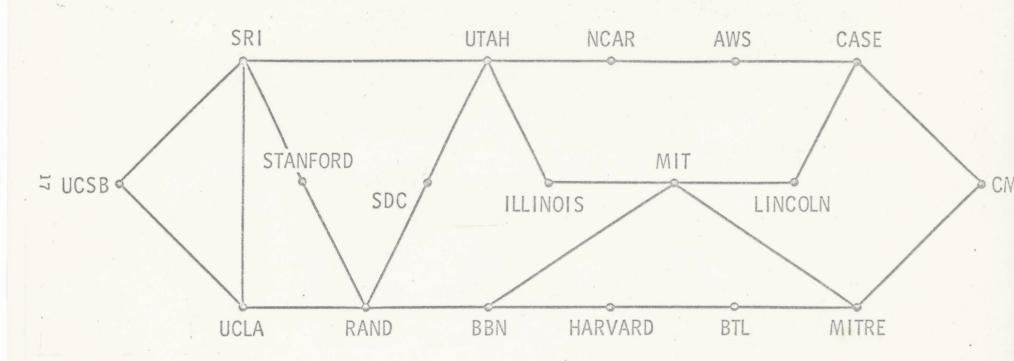
#### ARPA NETWORK INITIAL TOPOLOGY

\$49 K per node per year 16 KB per node

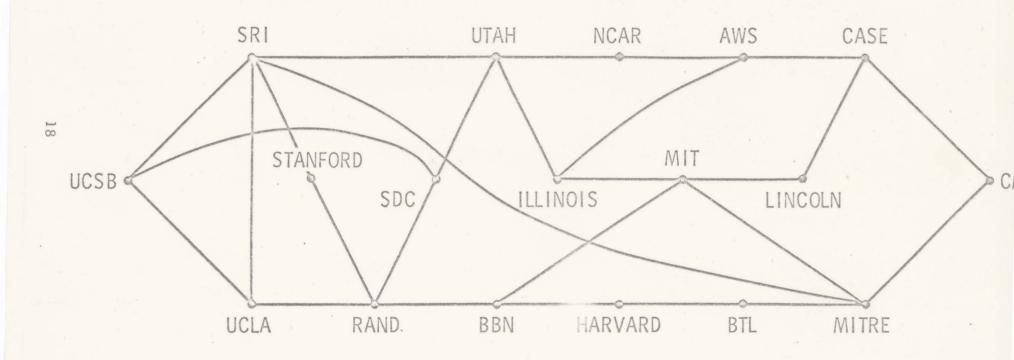


### ARPA NETWORK EXPANDED TOPOLOGY

\$59 K per node per year 23 KB per node

2.26 hors

54/2 miles 18 notes 3 pts/horle



#### COST vs. DELAY

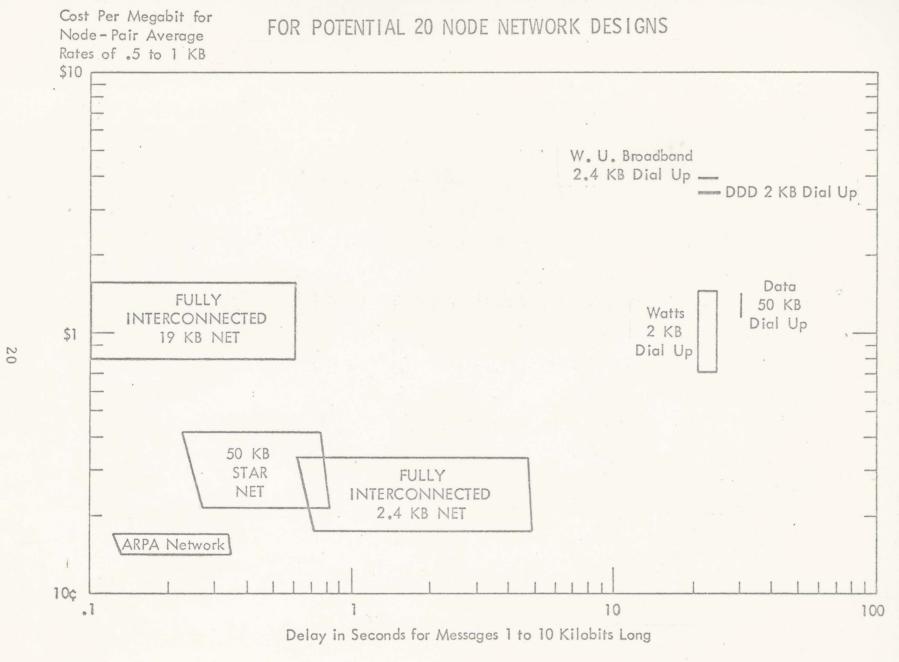


FIGURE 3

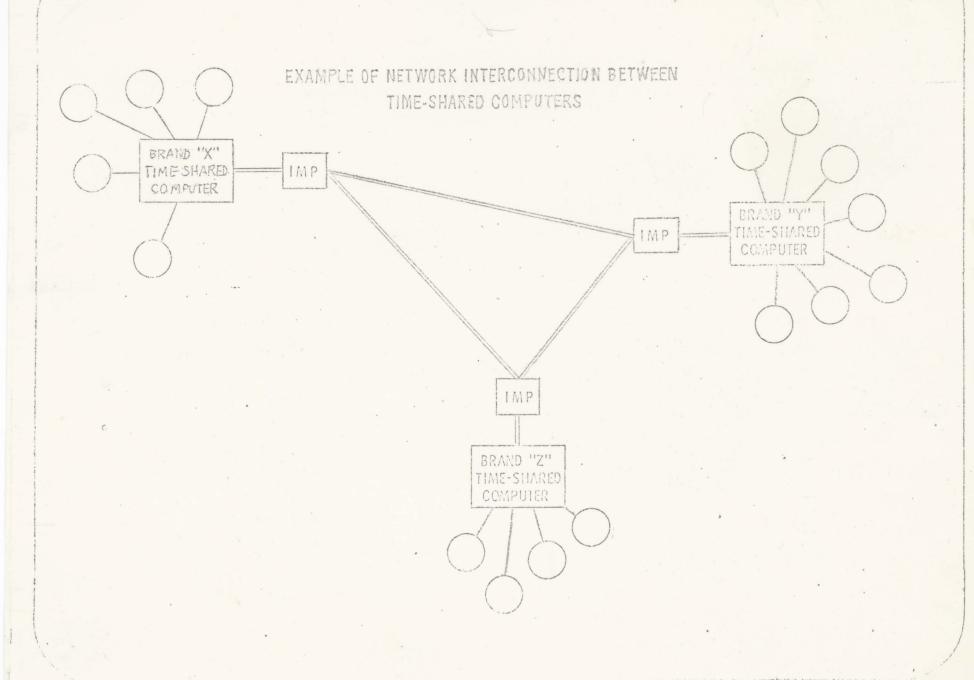
#### EFFECTIVE BANDWIDTH VS. BLOCK SIZE

TWENTY NODE NETWORK

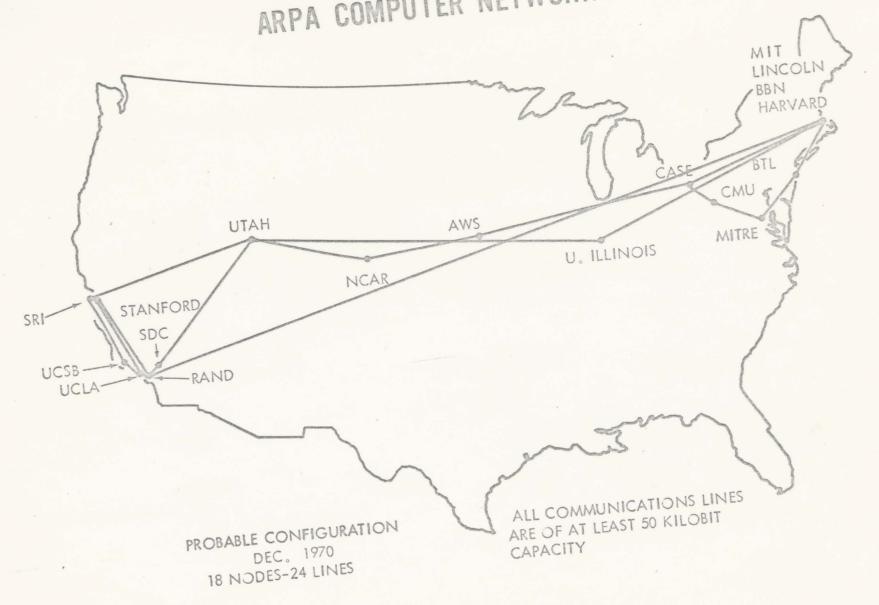


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FIGURE 4



# ARPA COMPUTER NETWORK



## COST OF TRANSMITTING ONE MEGABIT OF INFORMATION A DISTANCE OF 1400 MILES VIA VARIOUS COMMUNICATION MEDIA

MEDIA	COST PER MEGABIT	BLOCK SIZE
TELEGRAM	\$3300.00	3K bits
NIGHT LETTER	565.00	3K
TELEX	204.00	
AUTODIN	8. 20	30K
DIRECT DISTANCE DIALING	3.45	
LETTER	3.30	30K
WATS	1.54	The second
DATA-50	. 47	-
ARPA NETWORK	.30	1K
MAIL COMPUTER TAPE	. 034	100 million bits

